

Alstom completed 65 years of operation in Brazil in November 2020, having participated in the development of the country's infrastructure and urban mobility over the years. Its portfolio includes trains, metros, tramways, Signaling, Services and Systems operating in cities such as São Paulo, Rio de Janeiro, Brasília, Porto Alegre, Recife, as well as solutions for freight operators, such as Vale, and local export projects for countries like Chile, Argentina, South Africa, United States and China.



Over 700 employees and two main sites:

- **Água Branca:** Alstom headquarters in Brazil and Latin America and also a regional Signaling and Engineering center
- **Taubaté:** First Citadis tramway factory in Latin America and Rolling Stock production unit

CMSP – SÃO PAULO METRO (SÃO PAULO)

For Lines 1, 2 and 3, supply of 66 Driverless Automatic Train Control (ATCs) and Communication Based Train Control (CBTC) systems. For Line 5, supply of the main ventilation system for the stations and tunnels for the new stretch. For Line 2, supply of 96 cars (16 trains), power, Signaling and auxiliary systems. For Line 5, supply of 8 six-car trains. For Line 4, supply of infrastructure and auxiliary energy system. Also for Lines 1 and 3, maintenance for 47 trains.

CPTM – COMPANHIA PAULISTA DE TRENS METROPOLITANOS (SÃO PAULO)

Supply of signaling systems, on-board equipment (ATC) and operational control center, 20 new trains, maintenance of around 120 trains and overhaul of 266 traction engines.

METROREC (RECIFE)

Supply of control and signaling systems.

RIO DE JANEIRO'S TRAMWAY (RIO DE JANEIRO)

Supply of a catenary-free tramway system comprising 32 Citadis trainsets, energy supply, signaling and telecommunications systems.

RIO DE JANEIRO METRO (RIO DE JANEIRO)

Supply of the Signaling and Operational Control Center (OCC) system.

SUPERVIA (RIO DE JANEIRO)

Supply of 80 new cars to the SUPERVIA Concessionaire with financing from BNDES and 48 new cars to the State of Rio de Janeiro, for the Concessionaire's operation.

TRENSURB (PORTO ALEGRE)

Supply of 15 metro trains.

MAIN INTERNATIONAL REFERENCES

- **Chennai (India):** supply of 9 trains to Chennai Metro Rail Limited, transfer of technology to Alstom's new site in India, which will produce the other 33 trains under the contract.
- **Metrovías (Argentina):** supply of 36 trains and signaling system.
- **New York Metro (United States):** supply of 1,002 carshells (structures) of metro cars.
- **SBASE (Argentina):** supply of 20 Metropolis trains for Line H of Subterráneos de Buenos Aires, modernization of 48 cars and 180 new cars for Line D.
- **Santiago Metro (Chile):** supply of more than 520 metro cars.
- **PRASA (South Africa):** supply of 600 passenger trains and transfer of technology.

MAIN REFERENCES – FREIGHT TRANSPORTATION

Vale: supply of an Operational Control Center (CCO-EFVM), more than 400 pieces of ATC (Automatic Train Control) on-board equipment and more than 1800km of railway with signaling system with speed codes for the EFVM (Vitoria-Minas Railroad) and EFC (Carajás Railroad), including 96 Level Crossings, in addition to the supply of ATC's also for **VLI** and **MRS**.

BOMBARDIER TRANSPORTATION ACQUISITION

Alstom's acquisition process took place in early 2021, after the companies received from the European Commission (EC) the conditional release of the proposed acquisition of Bombardier Transportation. For 5.5 billion euros, the purchase consolidates Alstom's strategy of becoming a leader in the West. In Brazil, BT's main project - now an Alstom project - is the Line 15-Silver monorail.



LARGE PROJECTS

IN THE RAILWAY SECTOR WITH PRODUCTION STARTING IN 2022

Line 6-Orange of the São Paulo Metro: Alstom has a contract with Linha Universidade (Linha Uni) Concessionaire, whose main partner is the Acciona Group, which will supply 22 six-car trains.

Extension of Phase 2 of Line 7 of the Taipei Metro (Taiwan): supply of 16 Metropolis trains (4 cars) with Urbalis 400 Communication Based Train Control (CBTC) signaling system, Supervisory Control and Data Acquisition (SCADA) system and security doors on platforms. In all, Alstom Brazil will be responsible for the supply, testing and commissioning of 35 trains.

Phase two of the Taipei Circular Line (Taiwan): Alstom's site in Taubaté will produce 29 trains, with 116 cars in total.

Bucharest Metro (Romania): Alstom's first contract in the country. The contract is for the supply of 13 trains (78 cars in total) to service the new M5 line, which was opened recently.

Lines 8 and 9 of the São Paulo Metropolitan Train Network: Alstom will supply 36 trains, with eight cars each, which will have doors and corridors that will offer excellent passenger exchange and freedom of movement, as well as reserved spaces for people with reduced mobility. The large windows and doors will provide a clear view of the outside, guaranteeing a smooth, safe and comfortable journey for passengers. The trains will also feature modern technologies: passenger counting, dynamic line maps, monitors and video surveillance, as well as fire detectors and fire extinguishers.

FOR MORE INFORMATION:

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